

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

ZAYKIN, Aaron Borisovich, 1888-

Pedology in the USSR Moskva, Rabotnik prosvetshchenia, 1929. 82 p.

Cyr.4 LB103

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

SUBOROV, N.V.; SOKOLOVA, L.V.; RYZHOVA, V.M.; ZAYKINA, D.M.

Microbiological deacetylation of corticosteroid 21-acetates.
Dokl.AN SSSR 132 no.6:1325-1326 Je '60. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut im. S.Ordzhonikidze. Predstavлено akademikom N.M.
Shemyakinym.
(Corticosteroids)

YELINOV, N.P.; ZAYKINA, N.A.

Utilization of the precipitation reaction and serological diagnosis
in Candida infections. Zhur. mikrobiol., epid. i immun. 30 no.12:40-
44 D '59. (MIRA 13:5)

1. Iz Nauchno-issledovatel'skogo instituta antibiotikov.
(MONILIASIS diag.)

EXCERPTA MEDICA Sec 16 Vol 7/7 Cancer July 59

2558. Ethylene-substituted phosphoramido distribution in some organs and tissues of animals (Russian text) ZAIKINA R. G. and VONELAZKY V. A. Ukrainian Chemo-Sanit. Res. Inst., Kiev Vopr. Onkol. 1958, 4/5 (557-561) Tables 2
The distribution of an *N*-phenyl-*N',N'',N'''*-diethylene triamide of phosphoric acid after a single injection was studied in the tissue of healthy and tumour-bearing white rats. Its accumulation in kidneys, liver, intestines and adrenals was large, while in brain and bones it was small. Tumours, heart and lungs occupy an intermediate position. No difference between the accumulation of the compound was found in the tissue of healthy and tumour-bearing animals.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

ZAYKO, A.P.

Experience with the introduction of interface-level measuring
and controlling devices. Nefteper. i neftekhim. no.5:45-48
'63. (MIRA 17:8)

1. Omskiy neftepererabatyvayushchiy zavod.

ZIYADULLAYEV, S.K., kand.ekonom.nauk; ZATKO, G.I., red.; USTIKHINO, I.L.,
red.; UMANSKIY, P.A., tekhn.red.

[National economy of the Uzbek S.S.R. in 1958] Narodnoe khoziaistvo
Uzbekskoi SSR v 1958 godu. Tashkent, Gos. izd-vo Uzbekskoi SSR,
1958. 61 p.
(Uzbekistan--Economic conditions) (MIRA 11:12)

ZIYADULLAYEV, Said Karimovich, kand.ekonom.nauk; ZAYKO, G.I., otv.red.;
TIKHONOVA, I., red.; MEL'NIKOV, A., tekred.

[The years of great achievements] Gody bol'shikh dostizhenii.
Tashkent, Gos.izd-vo Uzbekskoi SSR, 1960. 61 p.

(Uzbekistan--Economic conditions)

(MIRA 14:2)

GULAMOV, R.G.; ZAYKO, G.I.; ZOTOV, A.N.; ISADZHANOVA, Kh.K.; SOKOLOV,
Yu.A.; SHKLOVER, A.Ya.; TSUKERMAN, N.P.; USTIMENKO, I.L., red.;
BAKHRIYAROV, A., tekhn.red.

[Tashkent; concise reference book] Tashkent; kratkiy spravochnik.
Izd.2., dop. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1958. 190 p.
(MIRA 13:3)
(Tashkent--Guidebooks)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

ZAYKO K.

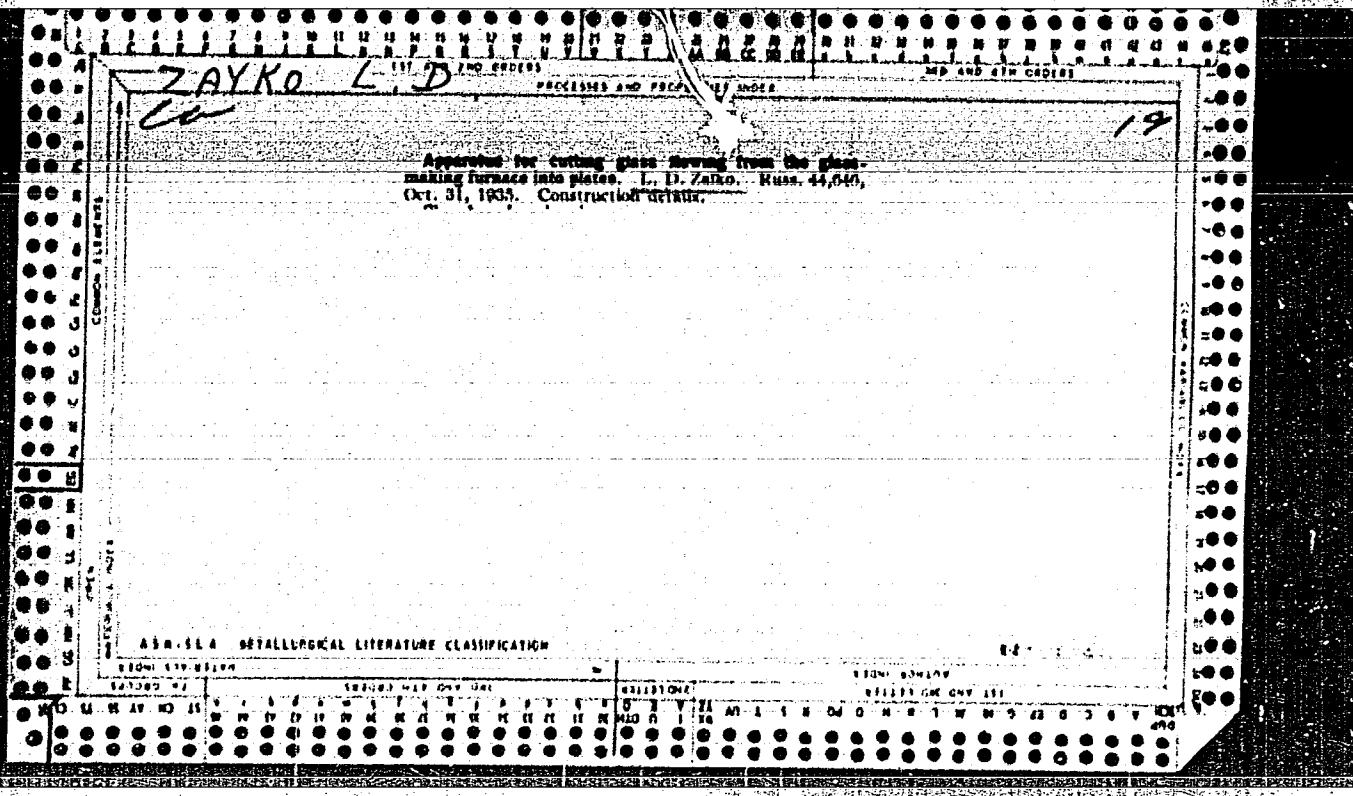
ZAYKO, K., inzh.

Device for determining arrangement of reinforcements. Stroitel' no.12:
8 D '57.

(Magnetic instruments) (Reinforced concrete) (MIRA 11:2)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"



ZAYKIN, N.I., inzh.

Anticorrosive epoxy-base coatings for propeller shafts. Sudostroenie 30 no.1:52-53 Ja '64.
(MIRA 17:3)

CA

11P

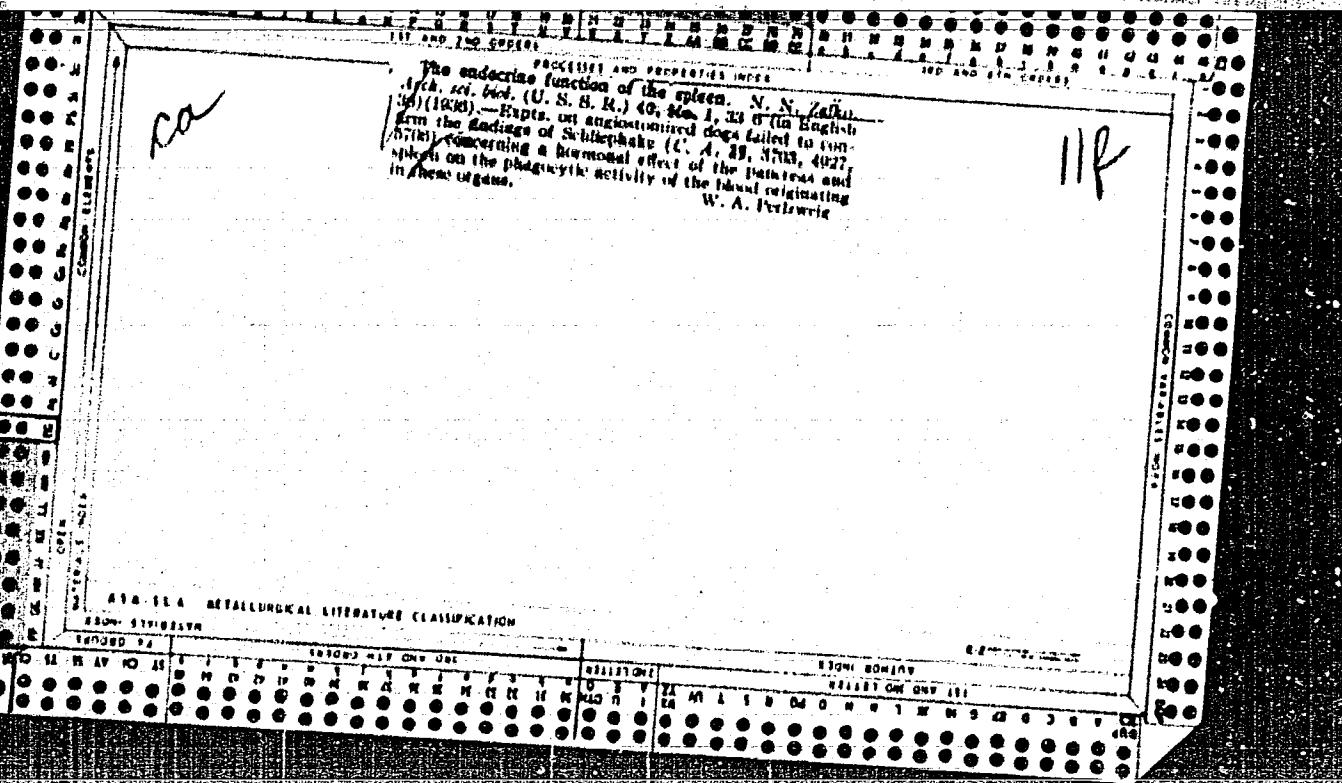
THE ABSORPTION OF WATER FROM THE INTESTINE AND ITS DISTRIBUTION IN THE ORGANISM ACCORDING TO THE DATA OF EXPERIMENTS ON ENCEPHALITIZED ANIMALS. N. H. FAJKA. Arch. exp. Med. (U. S. S. R.) 19, 219-23 (in English 1939) (1938).—The experiments were made on dogs encephalitized by the method of B. S. London. Conclusions: The increase in H₂O content of the portal blood over the arterial depends upon the amt. and method of administration and averages about 0.3-0.4%. The absorbed H₂O enters chiefly into the tissues of the peripheral organs (muscles, connective tissues) and into the liver. The decrease in H₂O content in the renal veins as compared with the renal artery is not always appreciable nor detectable. Hyperhydratia depends on the amt. of H₂O ingested, averages about 0.6-0.8% increase and does not exceed 1.5%; the max. is attained and passed in 40-45 min. after ingestion. The absorption of physiol. NaCl soln. begins after 20-40 min., while hypertonic salt solns. withdraw H₂O from the blood into the intestine. Absorption of H₂O from a 2% glucose soln. proceeds more rapidly than that of tap water. More concentrated glucose solns. are absorbed after their diln. in the lumen of the intestine. W. A. Preiswieg

ADM-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM ESTABLISHMENT	SEARCHED MAR 04 1964		INDEXED	FILED MAR 04 1964
	SEARCHED	INDEXED		
19640304				

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3



APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

The resorption of water and its distribution in the organism of angio- and ergotacetamidized animals. N. N. Zaitsev. Arch. ref. Med. (U. S. S. R.) 47, No. 2, 103-14 (in English, 114) (1937).—The injection of 2-6 mg./kg. of $\text{VO}_2(\text{NO}_2)_2$ into dogs, followed by ingestion of H_2O , shows a gradual disappearance of the blood; the H_2O content increases from 70.01% to 70.83% in 1 min. The main bulk of H_2O introduced into the stomach or directly into circulation is deposited in the liver and muscles, while smaller amounts are retained by the spleen and kidney.
S. A. Karsila

ZAYKO, N. N; BYSTROV, V. D.

Experimental cinematographic investigation of thrombotic process.
Doklady Akad. nauk SSSR 84 no. 5:1053-1055 11 June 1952. (CIML 22:3)

1. Presented by Academician A. I. Abrikosov 15 April 1952. 2. Institute of Experimental Medicine, Academy of Medical Sciences USSR.

22

ZAIKO, N.N.

Changes of the trigeminal nerve in experimental neuro-paralytic keratitis. Arkh. pat., Moskva 15 no. 1:27-32 Jan-Feb 1953. (CLMI 24:2)

1. Of the Department of Pathological Anatomy (Head -- Academician N. N. Anichkov), Institute of Experimental Medicine of the Academy of Medical Sciences USSR, 2. Odessa.

ZAYKO, M.M., MINTS, S.M.

Efferent properties of the trigeminal nerve in rabbits. Medich.
zhur. 23 no.4:11-16 '53. (MLRA 8:2)

1. Odes'kiy medichniy institut im. M.I.Pirogova, kafedra patologicheskoi
fisiologii.
(TRIGEMINAL NERVE)

ZATKO, N.N.

"Experimental and Morphological Data on the Development of
Neurodystrophic Keratitis"

Izvest Akad Nauk, USSSR, Biol Ser. No. 2 Mar-Apr pp 99-110, 1954

B-80127, 2 Nov 54

ZAYKO, N.N.(Odessa)

I.P.Pavlov's teachings on neural trophism and further development
of this problem. Arkh.pat. 16 no.4:3-16 O-D '54 (MLRA 8:10)
(NEUROLOGY,
Pavlovian theory on neural trophism)

USSR/Biology - Physiology

FD-2275

Card 1/1 Pub 33-6/18

Author : Zayko, N. N. and Mints, S. M.

Title : On central regulation of intra-ocular pressure

Periodical : Fiziol. zhur. 40, 572-578, Sep-Oct 1954

Abstract : Investigated the tonus of the eye during various states of the cerebral cortex existing during and after an epileptic convulsive seizure induced in cats and rabbits by intravenous injection of pyramidon or injection of camphorated oil into the peritoneal cavity. Determined intra-ocular pressure in above animals during and immediately after an epileptic seizure under the following conditions: (1) with undisturbed innervation of the eye; (2) with unilateral transection of the oculomotor nerve or excision of the cervical sympathetic ganglion; (3) with curarization. Also determined intra-ocular pressure simultaneously with blood pressure at time of seizure. Graphs. Twelve references, 10 of these USSR (7 since 1940).

Institution: Department of Pathologic Physiology of the Odessa Medical Institute

Submitted : January 4, 1954

ZAYKO, N.N., GUDAKOVSKAYA, M.M.

"Penetration of Labeled Penicillin into the Eye and its Distribution in the Eye's Tissues and Medis", in the book Experience in the Use of Radioactive Isotopes in Medicine R. Ye. Kavetskiy and I.T. SHEVCHENKO, published by the Gosmedizdat Publishing House of the UKRAINIAN SSR, KIEV 1955, represents medical transactions of a conference held in KIEV from 18-20 January 1954.

So: 1100235

ZAJKO, N.N.
EXCEPta MEDICA Sec.14 Vol.11/1 Radiology Jan 57.

1. ZAJKO N. N. and GUDAKOVSKAJA M. M. Dept. of Pathol. Physiol., Med. Inst., Odessa, USSR. "The study of the permeability of the eye coats by means of tracer atoms (Russian text) OFTAL. Z. (Moscow) 1955, 1 (51-57)

Radioactive phosphorus as sodium salt (17 experiments) and penicillin with radioactive sulphur (9 experiments) were used. The solutions of substances with an activity of about 10 million fissions per min. were instilled in both conjunctivae of a cat (0.02 ml. in each). After 1 hour the cats were sacrificed and the eyes enucleated. By means of radioactive indicators, the normal eye was shown to contain about 1% phosphorus and penicillin. After injury to the cornea (excoriation) the eye was seen to contain 4 times as much penicillin and 20 times more radioactive phosphorus. In neuroparalytic keratitis the permeability of the cornea to penicillin increased 3 times. The phosphorus and penicillin which penetrated the cornea were not evenly distributed; the cornea had the most and the lens had the least of it. Severance of the Vth nerve had the effect of increasing the permeability of all the tissues of the eye, except the lens. When penicillin and phosphorus were instilled in the conjunctiva, they appeared in the blood. After an hour, the whole of the eye ball contained only 1.4 times as much penicillin as the blood serum.

Kulikova - Moscow (XII, 2, 14)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

ZAYKO, N. N. (Prof)

"Radioactive Substances and Their Use in Medicine," a report presented at the Scientific Conference Devoted to the Application of Radioactive Substances in Medicine, Odessa Medical Institute, December 1954, Arkhiv. Patol., No.2, 1956

The author emphasized the great significance of the wide introduction of the most recent achievements of nuclear physics into medical science and practice, and analyzed the basic ways and prospects of the application of radioactive substances for scientific purposes, and also for the diagnosis and treatment of a number of diseases.

ANICHKOV, N.N.; ZHABOTINSKIY, Yu.M.; ZAYKO, N.N.; SOPOVA, T.L.,;
TYSYACHNYUK, S.I.; KHLOPINA, I.D.(Leningrad)

Tissue changes following disorders of innervation. Arkh. pat. 18
no.1 3-14 '56,
(MIRA 9:6)

1. Iz otdela patologicheskoy anatomi (zav.-akad. N.N. Anichkov)
Instituta eksperimental'noy meditsiny AMN SSSR.
(NERVOUS SYSTEM, physiology,
eff. of denervation on surrounding tissue (Rus))

ZAYKO, N.N.

ZAYKO, N.N., prof. (Odessa)

Development of the nervosism theory in normal and pathological physiology. Vrach.delo no.11:1175-1179 N '57. (MIRA 11:2)
(NERVOUS SYSTEM) (PHYSIOLOGY)

ZAYKO, N.N., prof. (Odessa)

Organization of the Institute of Pathological Physiology at
the Friedrich Schiller University in Jena. Pat.fiziol. 1
eksper.terap. 2 no.1:63-64 Ja-F '58. (MIHA 12:9)
(PATHOLOGY, education,

department of pathol. physiol. at Friedrich
Schiller University in Jena (Rus))

ZAYKO, N.N.

Barrier functions of the organism [with summary in English].
Izv.AN SSSR. Ser.biol. no.6:698-711 N-D '58 (MIRA 11:11)

1. Odesskiy meditsinskiy institut, Kafedra patologicheskoy fiziologii.
(CAPILLARIES--PERMEABILITY)
(BRAIN)
(EYE)

17(10,13)

AUTHORS: Zeyko, N. N., Vojno-Yasenetskiy, V. V. SOV/20-125-2-54/64

TITLE: Peculiarities of the Development of Neuro paralytic Keratitis
in Partial Denervation of the Cornea (Osobennosti razvitiya
neyroparaliticheskogo keratita pri denervatsii chasti rogovitsy)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 2, pp 428-431
(USSR)

ABSTRACT: As is known, complicated pathological variations in the eye
are caused by transection of the nervus trigeminus. They
show a dystrophic nature. There are two principal views con-
cerning the aforesaid sickness (NK): a) all is due to external
harmful effects (drying out, trauma, infection, Refs 1-3);
b) other scientists, however, maintain that the transection
mentioned disturbs the trophic effect of the nervous system
(Refs 4,5). There are reasons for the assumption that anti-
dromous impulses play an important part herein, which are
directed through the divided nerve against the eye (Refs 6-8).
Recently, data have been collected according to which trophic
disturbances in various tissues of the eye occur during the
intervention also in the case of elimination of external
effects. It was the purpose of the present paper to clarify

Card 1/4

Peculiarities of the Development of Neuroparalytic Sov/20-125-2-54/64
Keratitis in Partial Denervation of the Cornea

whether NK can be formed if the cornea is partly denerved before. Further, the authors tried to obtain data on the inclusion of the autotransplantate on a cornea with interrupted innervation. The cornea of rabbits was denerved by a deep cut or a complete trepanation according to the method of references 9, 10. The nervus trigeminus was transected according to the method of reference 4, i.e. 6-9 days after the treatment of the cornea or simultaneously. The eye-lids of the corresponding side were then sown together. The other eye was operated in a similar way, but the nervus trigeminus of its side was left intact. The following results were obtained: the aforesaid partial denervation of the cornea does not prevent the formation of NK. On the contrary, dystrophic variations are caused in the denervated section more rapidly and more intensely. This does not indicate, however, that the reflex mechanism does not play any part herein. The results only indicate that the neurotrophic factor is not the only one in this case. The NK pathogenesis is complex, wherein three main factors are implied: a) The disturbance of trophicity; b) of the tissue liquid, and c) the external

Card 2/4

Peculiarities of the Development of Neuroparalytic Keratitis in Partial Denervation of the Cornea Sov/20-125-2-54/64

harmful effects which hit an insensitive cornea. Thus, NK may be produced also with the elimination of external effects. Two factors fought one another in the experiments: on the one hand, the partial denervation of the cornea protected the latter from a current of dystrophic nervous effects (among them also the antidromous effect), on the other hand, the transection of the n. trigeminus caused complicated trophic disturbances throughout the eye. This must affect the nutrition of the autotransplantate. A further conclusion may be drawn from the experiments: the transection of the n. trigeminus deteriorates the healing of the wound after trepanation, which is also unfavorable to the inclusion of the autotransplantate. There are 2 figures and 11 references, 6 of which are Soviet.

Card 3/4

Peculiarities of the Development of Neuroparalytic
Keratitis in Partial Denervation of the Cornea 307/20-125-2-54/64

ASSOCIATION: Odesskiy meditsinskiy institut (Odessa Medical Institute).
Ukrainskiy eksperimental'nyy institut glaznykh bolezney i
tkanevoy terapii im. V. P. Filatova (Ukrainian Experimental
Institute of Eye Diseases and Tissue Therapy imeni
V. P. Filatov)

PRESENTED: November 19, 1958, by N. N. Anichkov, Academician

SUBMITTED: November 17, 1958

Card 4/4

ZAYKO, N.N., prof. (Kiyev)

In memory of V.V.Voronin; obituary. Vrach. delo no.12:139-140
D '60. (MIRA 14:1)
(VORONIN, VIADIMIR VASIL'EVICH, 1870-1960)

ACCESSION NR: AT3012860

S/2970/61/000/000/0179/0189

AUTHOR: Zayko, N. N.

TITLE: Resistance of biological barriers to various pathogenic factors

SOURCE: Gisto-gematischekiye bar'very*: trudy* soveshchaniya, 25-28 maya 1960 g., Moscow, 1961, 179-189

TOPIC TAGS: histo hematic barriers, hemato encephalic barriers, hemato ophthalmic barriers, resistance to fever, resistance to hypoxia, resistance to x rays, resistance to cranicerbral trauma, barrier permeability

ABSTRACT: To study the changes in barrier penetrability under conditions of maximum adaptation stresses, a study was carried out of the hemato-encephalic and hemato-ophthalmic barriers in fever, hypoxia, x-irradiation of the head, and in closed cranicerebral trauma. P-32, Ca-45, and white streptocide S-35 were used as permeability indices. It was shown that in fever caused by 'pyrifer' (pyrogen of low toxicity) permeability of the hemato-encephalic and hemato-ophthalmic

Card 1/3

ACCESSION NR: AT3012860

barriers not only fails to increase but even decreases somewhat. On the other hand, fever attending an infectious process with intoxication phenomena (administration of the second anthrax vaccine) is accompanied by a 50 or even 100 per cent increase in permeability. Exposure of rats to low pressure (equivalent of 12 km altitude) was accompanied by an 18 per cent increase in the P-32 content of the brain. The same decompression, but with oxygen fed to the chamber, was not accompanied by any increase in permeability of the hemato-encephalic barrier. The hemato-encephalic barrier was found to be highly resistant to ionizing radiation. A dose of 400 r (applied to the head) increases the P-32 content of the brain by 50 per cent, and 600 r dose by 100 per cent, whereas a dose of 800 r even decreases the permeability of the hemato-encephalic barrier. The resultant permeability derangements disappeared within 4 -- 6 days. The permeability of the hemato-encephalic and the hemito-ophthalmic barriers increases following closed craniocerebral trauma. The P-32 and Ca-45 content sharply increases in the brain, liquor, and aqueous humour. However, complete recovery of the permeability is

Card 2/3

ACCESSION NR: AT3012860

noted within 4-6 days. Histological studies have shown a parallelism between trauma induced permeability derangements and the change (swelling, liquefaction) of the argyrophil in the brain. The general conclusion is that the barriers have high resistance to pathogenic factors. Orig. art. has: 7 figures.

ASSOCIATION: Kafedra patologicheskoy fiziologii Odesskogo meditsinskogo instituta (Department of Pathological Physiology, Odessa Medical Institute)

SUBMITTED: 00

DATE ACQ: 12Jul63

ENCL: 00

SUB CODE: BC

NO REF SOV: 012

OTHER: 008

Card: 3/3

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

ZAYKO, V.P., inzh.

Dephosphorization of silicon ferroal oys. Stal' 24 no.9:818-829
S '64. (MIRA 17:10)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

ZAYKO, N.N., prof.; BUTENKO, F.M.

Review of "Current problems of morphology, physiology and pathology." Pat. fiziol. i eksp. terap. 8 no.5191-92
S-0 '64. (MIRA 18:12)

FEDORENKO, Ye.G., prof., ovtv. red.; ZAYKO, N.N., prof., zam. ovtv. red.; OKHREMENKO, Yu.M., red.; KOLOMYICHENKO, M.S., zasl. deyatel' nauki Ukr.SSR prof., red.; SHAKHEBAZYAN, G.Kh., prof., red.; IVANCHENKO, T.L., prof., red.; GURVICH, S.S., dots., red.; KRAVCHUK, M.I., dots., red.

[Philosophical problems in medicine and biology] Filosofskie voprosy meditsiny i biologii. Kiev, Zdorov'ia, 1965. 255 p.
(MIRA 18:10)

1. Kiev. Medichnyi instytut. 2. Chlen-korrespondent AMN SSSR
(for Shakhebazyany).

ZAYKO, N.N. (Kiyev)

Change in the permeability of biological barriers following
the action of various pathogenic factors. Pat. fiziol. i eksp.
terap. 6 no.3:12-17. My-Je'62 (MIRA 17:2)

1. Iz-kafedry patologicheskoy fiziologii (zav. - prof. N.N.
Zayko) Kiyevskogo meditsinskogo instituta imeni A.A. Bogomol'tsa.

ZAYKO, N.N., prof.; BYTS', Yu.V.

Report on the work of the Kiev Province Society of Patho-
physiologists for 1963. Pat. fiziol. i eksp. terap. 8 no.6:
85-86 N-D '64. (MIRA 18:6)

1. Predsedatel' Kiyevskogo obshchestva patofiziologov (for Zayko).
2. Sekretar' Kiyevskogo obshchestva patofiziologov (for Byts').

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

ZAYKO, N.N., prof. (Kiyev)

For a unified curriculum in the teaching of pathophysiology.
Pat. fiziol. eksp. tor. 7 no.5:84-88 S-0'63 (MIRA 17:2)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

ZAYKO, N.N.; MINTS, S.M.

Effect of ultrasonic waves on intraocular pressure and permeability of the vessels of the eye. Biul. eksp. biol. i med. 54, no. 12:32-36 D'62. (MIR16:6)

1. Iz kafedry patologicheskoy fiziologii (zav. - prof. N.N. Zayko) Odeskogo meditsinskogo instituta imeni N.I. Pirogova) Predstavlena deystvital'nym chlenom AMN SSSR V.V. Parinym. (ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT) (INTRAOCULAR PRESSURE) (EYE—BLOOD SUPPLY)

ERATUS', V.D., prof. red.; ZAYKO, N.N., prof. red.; MAN'KOVSKIY, N.B., prof., red.; PRIMAK, T.IH., prof.red.; SPIROV, M.S., prof.red.; FRUMKIN, Ya.P., prof. red.; CHAYKA, Ye.I., prof. red.; CHERNYSHENKO, L.V., red.; SOLOGUB, P.Ya., red.

[Physiology and pathology of connective tissues] Fiziologiya i patologiya soedinitel'noi tkani. Kiev, Zdorov'ia, 1964. 251 p. (MIRA 18:1)

1. Kiev. Medichnyy instytut.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

SNYAKIN, P.G., prof.; ZAYKO, N.S., kand.biol.nauk

Taste organ. Zdrov'e - 5 no.10:9-10-0 '59.
(TASTE)

(MIRA 13:2)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

SNYAKIN, P.G.; ZAYKO, N.S.

Intero- and exteroceptor connections. Trudy 1-go MMI 11:209-221 '61.
(MIRA 15:5)

1. Laboratoriya fiziologii i patologii organov chuvstv (zav. -
prof. P.G.Snyakin) Instituta normal'noy i patologicheskoy fiziologii
AMN SSSR, Moskva.

(TASTE) (STOMACH—INNERVATION)

ZAYKO, N.S.; KUZNETSOV, M.I.; CHELNOKOVA, N.A.

Examination of the gustatory sensitivity in man during prolonged oxygen inhalation and an appropriate dietary regimen. Biul. eksp. biol. i med. 56 no.8:11-13 Ag '63. (MIRA 17:7)

1. Iz laboratori fizioligii i patologii organov chuvat' (zav. - prof. P.C. Snyakin) Instituta normal'noy i patologicheskoy fizioligii (direktor - deystvitel'nyy chlen AMN SSSR prof. V.V. Parin) AMN SSSR, Moskva. Fredstavleno deystvitel'nym chlenom AMN SSSR V.V. Parinym.

ZAYKO, N. S., Cand Biol Sci -- (diss) "Activity Characteristics of the Human Taste Analyzer ^(according) ~~in~~ the Index of Functional Mobility." Mos, 1958. 16 pp (Acad Med Sci USSR. Inst of Normal and Pathological Physiology), 200 copies (KL 40-58, 113).

ZAYKO, N.S.

Physiological action of food of varying quality and quantity on taste sensitivity. Vop. pit. 20 no.4:9-14 Jl-Ag '61. (MIRA 14:7)

1. Iz laboratorii fiziologii i patologii organov chuvstv (zav. - prof. P.G.Snyakin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva.

(TASTE) (DIGESTION)

ZAYKO, N.S.

Reflex from the stomach on the taste receptor apparatus of the tongue in relation to the food stimulation of gastric interceptors. Trudy Inst. norm. i pat. fiziolog. AMN SSSR 6:66-67 '62
(MIRA 17:1)

1. Laboratoriya fiziologii i patologii organov chuvstv (zav.-prof. P.G. Shyakin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

ZAYKO, N.S.
USSR/Medicine

FD-2419

Card 1/1 Pub 17-2/21

Author : Zayko, N. S.

Title : On the question of taste reception in man

Periodical : Byul eksp biol i med. 39, 7-10, Jan 55

Abstract : It is known that sensitivity of visual and skin receptors increases or decreases according to mobilization or demobilization of component receptors of the skin apparatus. Consequently not all units of every organ function simultaneously and this has been called "functional mobility" by P. G. Snyakin. Some time ago the functional mobility of the capillaries, sweat glands and intestinal mucous membrane was established. P. S. Zayko, the author, concentrated on the taste receptors of man and studied experimentally the sensitivity of the taste-buds of the human tongue. He concludes from his experiments that "data obtained ---- show that one of the adaptation mechanisms of the taste analyser to changing surroundings is the mobilization and de-mobilization of different functional units of the receptor division in the same manner as in the visual and skin analyzers." 6 references, 6 USSR. 6 since 1940. Tables.

Institution: Institute of Pharmacology, Experimental Chemotherapy and Chemoprophylaxis, Academy of Medical Sciences USSR Moscow

Submitted : March 28, 1954

ZR180, N. S.

V-9

USER/Human and Animal Physiology - The Sensory Organs.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 19691

Author : P.G. Snyakin and N.S. Gayko

Inst Title : The Significance of Examinations of the Sensitivity of the Oral Mucosa.

Craig Pub : Stomatology, 1956, No 1, 11-15

Abstract : In the fasting state, immediately after eating, an hour and a half after eating and four hours after eating, the functional activity of the taste receptor apparatus was studied, as expressed in the shifting of active and inactive states on the part of individual lingual taste buds in the presence of a gustatory stimulus. Aqueous solutions of sugar (80%), NaCl (35%), citric acid (4%) and quinine hydrochloride (3%) were used. In each experiment the sensitivity of four taste buds on different portions of the tongue was examined at one time. Taste buds were

Card 1/3

USSR/Human and Animal Physiology - The sensory organs.
nfo Jour : Ref. L'her - Biol., No 4, 1953, 18621

chosen for which in the first test sensitivity to the gustatory substance employed had been detected. The gustatory agents were applied to the taste bud by means of glass capillary tubes. Touching the capillary to each of the taste buds was carried out in a definite sequence, and this comprised one test. The testing of a single solution of a single concentration was performed twelve times with intervals of five minutes. A change was established in the level of functional activity which was dependent on the functional state of the digestive apparatus. In the fasting state maximal accentuation of the sensitivity of the taste buds was observed (almost all of them were active). Sensitivity declined sharply after eating, since almost half of the taste buds were insensitive at that time. After an hour and a half the number of active taste buds had increased somewhat, and four hours after eating it approximated the initial number. Filling the stomach

Card 2/3

recovered quickly, but the lesser was still present. This is evidence of the functional state of the gustatory apparatus concerning its own state. The technique of studying the functional state of the receptor apparatus of the oral cavity can be employed to appraise degree of deviation from the physiological norm, diagnosis, extent of recuperation and prognosis of certain stomatological illnesses.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964030005-3

Card 3/3

2/11/4-311

USSR/Human and Animal Physiology - The Sensory Organs.

7-9

Abs Jour : Ref Zhur - Biol., No 4, 1958, 186-2

Author : N.S. Zayko

Inst :

Title : Regular Phenomena of the Functional Activity of the Human Gustatory Receptor Apparatus.

Frig Pub : Byul. eksperim. biol. i metitsiny, 1956, No 1, 19-22

Abstract : Using basic gustatory agents in concentrations considerably exceeding threshold levels, the author established a relationship between the change in the level of functional activity of the taste receptors and the time elapsed after eating. Maximal functional activity was observed in the fasting state. Five to ten minutes after eating, inactivation of taste receptor element took place; four hours after eating, the level of activity approximated that of the fasting state. The author suggests that, according to the level of the functional activity of the

Card 1/2

USSR/Human and Animal Physiology - The Sensory Organs.

v-9

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18692

taste receptors, one can judge the adjustment of the entire digestive apparatus at various periods after the ingestion of food.

Card 2/2

SNYAKIN, P.G.; ZAYKO, N.S.

Importance of studying the sensitivity of the oral mucosa.
Stomatologija 35 no.1:11-15 Ja-Y '56. (MLRA 9:6)

1. Iz kafedry normal'noy fiziologii (zaveduyushchiy professor
P.G.Snyakin) Moskovskogo meditsinskogo stomatologicheskogo instituta
(direktor dotsent G.H.Beletskiy)
(MOUTH—INNervation) (MUCOUS MEMBRANE)

ZAYKO, N.S.

The functional mobility of the gustatory receptor apparatus in man.
Biul. eksp. biol. i med. 41 no. 1: 19-22 Ja. '56 (MLRA 9:5)

1. Iz Nauchno-issledovatel'skogo instituta farmakologii i
eksperimental'noy khimioterapii i khimioprofilaktiki (dir.-prof.
P.G. Snyakin) AMN SSSR, Moskva. Predstavлено deystvitel'nym chlenom
AMN SSSR V.N. Chernigovskim.

(TASTE, physiol.
funct. mobility of gustatory receptor apparatus)

BELOBORODOVA, M.S.; ZAYKO, N.S.

Characteristics of the reaction of the gustatory receptor in glossalgia. Stomatologiya 39 no.6:27-30 N-D '60. (MIRA 15:1)

1. Iz kafedry terapevticheskoy stomatologii (zav. - prof. M.N. Ye.Ye.Platonov) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. - dotsent G.N.Beletskii) i laboratorii fiziologii i patologii organov chuvstv (zav. - prof. P.G.Snyakin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR (dir. - prof. V.V.Parin).

(TONGUE-DISEASES) (TASTE)

YESAKOV, A.I.; ZAYKO, N.S.

Effect of guanidine on the functional activity of taste
receptors. Fiziol. zhur. 49 no.8:984-989 Ag '63.
(MIRA 17:2)

1. From the Laboratory for Physiology and Pathology of Sense
Organs, Institute of Normal and Pathologic Physiology,
U.S.S.R. Academy of Medical Sciences, Moscow.

ZAYKO, N.S.; LOKSHINA, E.S.

Reflex reactions of the gustatory receptors of the tongue in direct excitation of the gastric receptors. Biul. oksp. biol. i med. 53 no.1:12-14 Ja '62. (MIRA 15:3)

1. Iz laboratorii fiziologii i patologii organov chuvstv (zav. - prof. P.G. Snyakin) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.V. Parin) AMN SSSR i laboratorii patofiziologii (zav. - doktor meditsinskikh nauk E.S. Lokshina) Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N.V. Sklifosovskogo (dir. - zasluzhennyy vrach USSR M.M. Tarasov). Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.

(STOMACH INNERVATION) (TASTE)

ZAYKO, V.

Simplifying the administrative apparatus. Mias. ind. SSSR 29
no.6:43 '58. (MIRA 11:12)

1. Klaypedskiy myasokombinat.
(Klaypeda--Packing houses)

ZAYKO, V.I.

Relation between the sunspot number in a group and its area
and cyclic variations of this relationship. TSir.Astron.obser.
L'viv.Un. no.29:21-24 '55. (MIRA 15:2)
(Sunspots)

ZAYKO, V.P. (Chelyabinsk)

Distribution of phosphorus between slags and ferrosilicon alloys.
Izv. AN SSSR. Met. i gor. delo no. 6:70-74 N-D '64.

(MIRA 18:3)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

ZAYKO, V.P. (Chelyabinsk); SHILINA, I.V. (Chelyabinsk)

Making low-phosphorus ferrochromium. Izv. AN SSSR. Met. no.1:21-24
Ja.-F '65. (MIRA 18:5)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

VOINOV, S.G.; KALTENNIKOV, Ye.S.; TOPIL'SKIY, P.V.; ROBKOVA, O.S.;
KUKLEV, V.G.; ZAYKO, V.P.; KOSOY, L.F.; SHALIMOV, A.G.;
Prinimali uchastiyu: IOPPE, V.N.; CHABCHENKO, N.I.;
AVAKUMOVA, G.M.; ANAKOVA, N.A.

Developing a procedure for the making of limestone and alumina
semifinished products for the preparation of synthetic slag.
Stal' 22 no.2:128-132 F '62. (MIRA 15:2)

(Slag)
(Electric furnaces)

ZAYKO, V.P.; GOLEV, A.K.

Effect of the basicity of slag in the making of ferrochromium
by the silicothermic method. Stal' 21 no.8:708-711 Ag 61.
(MIRA 14:9)

1. Chelyabinskij zavod ferrosplavov.
(Iron-chromium alloys--Metallurgy)
(Thermite process)

ZAYKO, V.P.; LASTOVITSKAYA, K.S.

Reducing the loss of molybdenum in the manufacture of ferromolybdenum. Biul. TSIICHM no.2:34-36 '61.
(Iron-molybdenum alloys)
(Molybdenum)

ZAYKO, V.P., inzh.; GOLEV, A.K., inzh.

Making ferrochromium with a reduced phosphorus-content. Stal'
22 no.1:43-44 Ja '62.
(Iron-chromium alloys--Metallurgy)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

YASTREBOV, P.V.; KOLPAKOV, P.S.; ZAYKO, V.P.; GOLEV, A.K.

Manufacture of low-carbon ferrochromium. Stal' 25 no.10:
917-919 0 '65. (MIRA 18:11)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

Z. NYKONNIKOVA, T.V.

	PAGE
71. BIOLOGICAL ACTIVITY OF ESTERS OF MONO- AND DIALKYLPHOSPHORIC ACIDS AND THEIR COMPARATIVE CHARACTERISTICS. L. N. Ankratova and I. V. Zakhornikova	437
72. COMPARATIVE DATA ON THE ANTEROGRADE-RETROGRADE ACTIVITY AND TOXICITY OF ORGANOPHOSPHORUS COMPOUNDS. I. A. Frantsov	443
73. DEPENDENCE OF THE STRUCTURE AND PHARMACOLOGICAL ACTION OF SOME MIXED ESTERS OF ETHYLPHOSPHOLIC ACID. G. F. Belovskaya	453
74. TOXICITY AND SOME TOXICOLOGICAL PROPERTIES OF NEW ORGANOPHOSPHORUS COMPOUNDS. Yu. S. Karabut et al.	458
75. EFFECT OF ORGANOPHOSPHORUS COMPOUNDS ON NEUROMUSCULAR CONDUCTION. E. K. Nosikova	463
76. BLOCKING AND STRENGTHENING ACTION OF ATROPINE ON NEUROMUSCULAR TRANSMISSION. I. M. Parkhomenko and V. M. Birotskii	468
77. USE OF PIROFOR (PIRONIOS) FOR TREATMENT OF PERIPHERAL PARALYSIS IN NEUROPSYCHOSIS. V. N. Ankratova	472
78. USE OF ORGANOPHOSPHORUS COMPOUNDS IN THE TREATMENT OF MYASTHENIA AND PERIPHERAL PARALYSIS. V. V. Karpchenko	476
79. TOXICOLOGY OF ORGANOPHOSPHORUS COMPOUNDS. G. D. Zaslavskikhov	480
80. MORPHOLOGICAL CHANGES IN THE ANIMAL ORGANISM AFTER ORGANOPHOSPHORUS POISONING. E. I. Makovskaya	485
81. PROTECTIVE AND THERAPEUTIC PROPERTIES OF PENTAFEN (PENTAPHENE) JOINTLY WITH SCOPOLAMINE AND PROGERINE. Kh. G. Chichin	490
82. PROFYLAXIS AND TREATMENT OF POISONING BY SYSTEMIC INSECTICIDES. K. A. Vytchilannikov	495
83. MECHANISM OF THE ACTION OF <i>N</i> -METHYL-N-DIETHYLPHOSPHORAMIDE, PREPARATION 172. I. V. Zakhornikova and I. A. Streltsova	500
84. CLINICAL OBSERVATION OF <i>P</i> -NITROPHENYL DIBUTYLPHOSPHATE IN GLAUCOMA. V. N. Krasnova	509
85. DITIO (DITHO) - A NEW ORGANOPHOSPHORUS COMPOUND AGAINST GLAUCOMA. Z. N. Osipova	510
86. TREATMENT OF GLAUCOMA BY ORGANOPHOSPHORUS COMPOUNDS. G. I. Timirskaya	512
87. TOXICITY OF ORGANOPHOSPHORUS COMPOUNDS FOR ANIMALS WITH RADIATION SICKNESS. A. I. Solov'yev	515
88. ORGANOPHOSPHORUS COMPOUNDS AS ANTIRADIATION SICKNESS THERAPEUTIC AND PROPHYLACTIC AGENTS. N. A. Isayeva et al.	520
89. EFFECT OF ORGANOPHOSPHORUS ESTERS ON ERADICOPHYTES. I. B. Rekisova and Z. S. Rizymshova Khaniya i Primenenie v Fertil'nosti Organicskikh Soedineniy (Chemistry and Application of Organophosphorus Compounds) A. Ye. Arbusov, Ed. publ. by Izdat. Akad. Nauk, Moscow, 1962 636pp.	524

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.

ZAIKOV, Aleksandr Matveevich

Revoliutsiia pochtovoi sviazi. Moskovskii tsentral'nyi pochtamt. [Revolution in the postal service. The Moscow Central Post Office]. S predist. A.M. Liubovicha. Moskva, Molodaia gvardiia, 1930. 115 p. illus.

NN

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Departments, Washington, 1952, Unclassified.

7/11/71 P.A.

Corresponding states of metals. M. A. Zel'dov. ZHET
Fiz., 24, 19, 807 (1950). The author starts with
(C 4, 9, 3202) to arrive at a common law for the temp.
dependence of mech. properties of metals and alloys by
means of the theory of corresponding states.

The following is a summary of the theory of corresponding states. The theorem of corresponding states can be successfully extended to mech. properties of metals if it is confined to definite modifications. The temp. dependence of a mech. property σ is given by $\sigma = \sigma_1 e^{-\lambda T}$, with the temp. coeff. $\lambda = (\ln \sigma_f - \ln \sigma_i)/(T_f - T_i)$, where the subscripts i = initial, f = final. The reduced temp. r is defined by $r = (T - T_i)/(T_f - T_i)$, and a "reduced" σ by $\delta = (\sigma - \sigma_i)/(\sigma_f - \sigma_i)$, and $(\log \sigma - \log \sigma_i)/(\log \sigma_f - \log \sigma_i) = \lambda$. Hence, $\lambda + r = 1$, or $\sigma/\sigma_i = (\sigma/\sigma_f)^r$, which expressions are common to all metals within the limits of σ allotropic modifications and definite temp. ranges. For practical tests, these equations are put into the form $\log \sigma = \log \sigma_i - \log (\sigma/\sigma_f)^r$, or $\log \sigma = \log \sigma_i + \lambda \log \sigma_f$. These relations are verified against the data of L. (loc. cit.) for the exptl. detns. of the tensile strength on steels (both α and γ) with from 0.12 to 1.19% C, between -230 and +1300°; the exptl. $(\lambda + r) = 1$. Similar agreement was found for one steel at different rates of deformation, from 0.002 to 60 mm./sec., and in other instances. For Cu, the corresponding states relation was confirmed, between -193 and +1000°, $\lambda = 0.0002$, $r = 0.9998$, $\lambda + r = 1$, $\sigma = 26$ min./sec. for $\sigma = 8000$.

The point of interest is that the theory of corresponding states

can fit these relations

4

B C

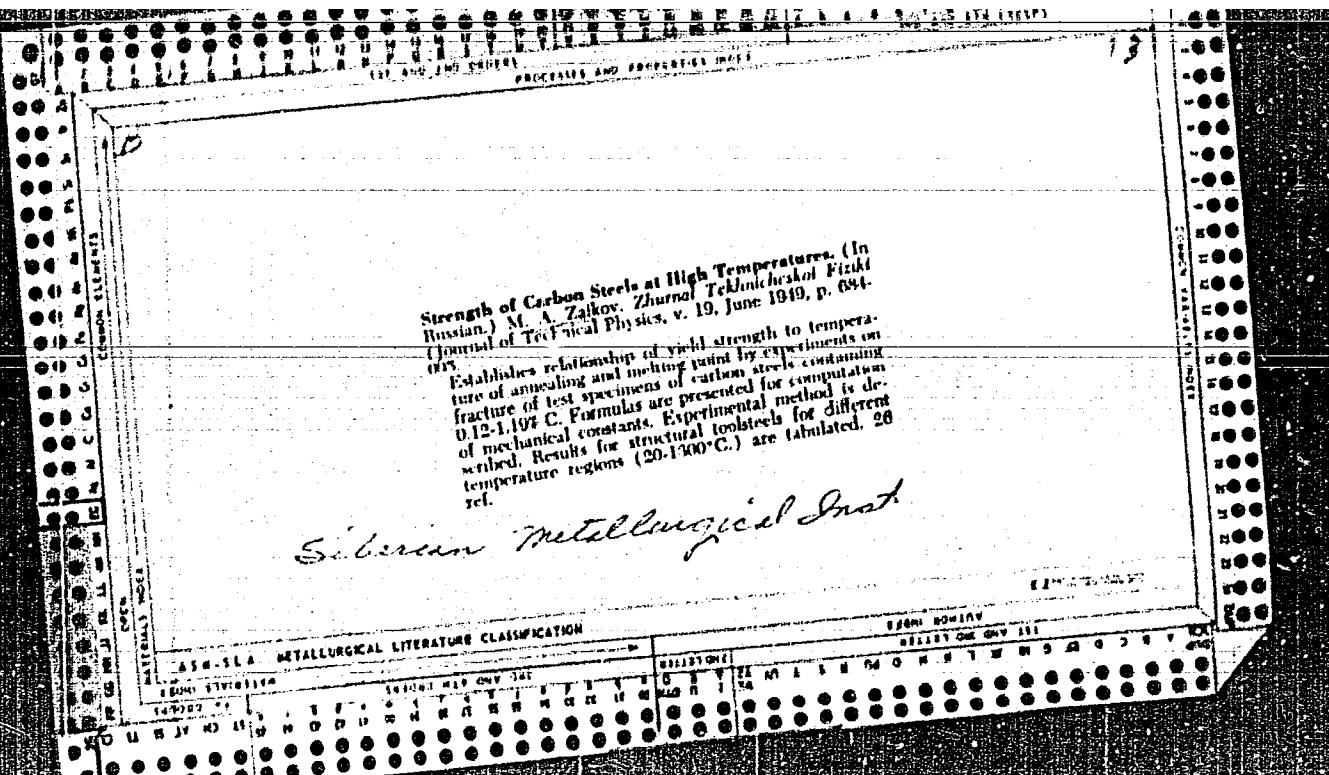
CORRESPONDING STATES OF METALS

Corresponding states of metals. M. A. Zaitov (*J. Tech. Phys.*, USSR, 1948, 10, 847-859).—In developing the theory of corresponding states as applied to metals the mechanical properties of metals can be regarded as so-called "relative co-ordinates"; this allows the properties of all metals to be related to one curve expressed by one equation. The equation is confirmed experimentally and is in agreement with the work of others. The results were obtained for plain steels with 0.12-1.19% of C for temp. up to 1300° and for velocities from 0.002 to 50 mm. per sec. A change with temp. which is common for such mechanical characteristics as stability limit, true resistance to fracture, modulus of elasticity, limit of flow, Brinell hardness and sp. pressure during pressing, rolling, etc., is demonstrated. It is shown that these changes should be considered and compared, not in any temp. range, but only in the range of separate modifications, where the point corresponding to the beginning of recrystallisation gives rise to a break in the intensity of the change in properties, and in such cases should be considered as points of allotropic transformation. Ludwig's principle of homologous temp. is extended only to separated modifications, whilst the Van der Waals theory of corresponding states applies to solid bodies *in situ*, i.e., the concept of corresponding mechanical characteristics as well as corresponding temp. is introduced.

W. HUGHES.

A1
3

ASA-SEA METALLURGICAL LITERATURE CLASSIFICATION



13

Influence of Rate of Deformation on Strength of
Carbon Steel at High Temperatures. (In Russian.)
M. A. Zalkov. Zhurnal Tekhnicheskoi Fiziki (Journal of
Technical Physics), v. 19, June 1949, p. 711-721.
Experiments on fracture of steel (0.08-0.15% C) at
different rates of deformation and different tempera-
tures (20-1150°C.) establish and different relationship of yield
strength and constant of plastic deformation to tem-
perature and rate of deformation. Agreement to tem-
perature and rate of deformation. Yield strength is indicated. 30 ref.

Siberian Metal. Inst.

ASU LIBRARY METALLURGICAL LITERATURE CLASSIFICATION

SEARCH NUMBER

SEARCHED FILED INDEXED

ZAYKOV, M.A.

SKOROKHODOV, N.Ye., kandidat tekhnicheskikh nauk; ZAYKOV, M.A., kandidat tekhnicheskikh nauk; KOROLEV, A.S., inzhener; SADROKHODOVA, V.P., inzhener.

Measuring the pressures exerted in the cold rolling of thin sheets. Trudy Sib.met.inst. no.2:5-18 '55. (MLRA 9:12)

(Strains and stresses) (Rolling (Metalwork))

ZAYKOV, M. H.

SKOROKHODOV, N.Ye., kandidat tekhnicheskikh nauk, dotsent; GOLUBEV, T.M., professor, doktor tekhnicheskikh nauk; ZAYKOV, M.A., kandidat tekhnicheskikh nauk; CHELYSHEV, N.A., kandidat tekhnicheskikh nauk, dotsent; KOROLEV, A.S., inzhener; OSHIN, V.I., inzhener.

Determining acting forces in friction and eccentric presses.
Trudy Sib.met.inst. no.2:19-29 '55. (MLRA 9:12)

(Strains and stresses) (Power presses)

ZAYKOV, M.A., kandidat tekhnicheskikh nauk, dotsent.

Resistance of carbon steels to uniaxial deformations. Trudy
Sib.met.inst. no.2;30-55 '55. (KIRA 9:12)

(Steel) (Deformations (Mechanics))

ZAYKOV, M. A.

SOKOLOV, L.D., professor, doktor tekhnicheskikh nauk; ZAYKOV, M.A.,
kandidat tekhnicheskikh nauk, dotsent; CHELYSHEV, N.A., kandidat
tekhnicheskikh nauk.

Experimental study of specific flow stresses during extrusion
pressing. Trudy Sib.met.inst. no.2:62-68 '55. (MIRA 9:12)

(Extrusion (Metals)) (Strains and stresses)

ZATKOV, M.A., kandidat tekhnicheskikh nauk, doceent.

Flow curves representing steel deformations. Trudy Sib.met.
inst. no.2:69-108 '55. (KIRA 9:12)

(Steel--Testing) (Deformations (Mechanics))

TARNOVSKIY, Iosif Yakovlevich, doktor tekhnicheskikh nauk, professor;
POZDEYEV, Aleksandr Aleksandrovich, kandidat tekhnicheskikh nauk;
LYASHKOV, Vladimir Borisovich, kandidat tekhnicheskikh nauk;
ZAYKOV, M.A., redaktor; KEL'NIK, V.P., redaktor izdatel'stva; ZEP,
YuzM., tekhnicheskiy redaktor

[Deformation of metal in rolling] Deformatsiya metalla pri prokatke.
Pod obshchey red. I.IA.Tarnovskogo. Sverdlovsk, Gos.nauchno-tekhn.
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-
nie, 1956. 287 p. (MLRA 9:11)

(Rolling (Metalwork))

ZAYKOV, M.A.

GOLUBEV, T.M.; SOROKO, L.N.; ZAYKOV, M.A.; KAFTANOV, N.P.;
CHELYSHEV, N.A.; SAKHAROV, G.A.; ZUYEV, B.P.

Power and electric power indexes for blooming mill rolling. Stal' 17
no.2:141-146 F '57. (MIRA 10:3)

1. Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgicheskiy
kombinat.
(Rolling mills) (Electric driving--Testing)

ZAYKOV, M.A.

32-8-32/61

AUTHORS Chapka, A.M., and Zaykov, M.A.

TITLE Automatic Measurement of the Power Input Necessary for Rolling by Means of a Wire-Wound Resistance Indicator. (Automaticheskiy zamer usiliya prokatki s pomoshch'yu provolochnykh datchikov sопротивлениya).

PERIODICAL Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 8, pp. 964 - 965 (USSR.).

ABSTRACT In the "Kuznetsk Metallurgical Combine" a permanently working apparatus for measuring and recording the rolling power input in rolling machines was set up. The deformation of the supporting mount in the moment of rolling work is here used as primary impulse. For recording this deformation on the rolling machine mount two rails (40 x 4 mm) are attached so that they form a firm parallelogram (diagonal 1740 x 100 mm) in the framework of the machine. The direction of the longer diagonal of the parallelogram runs in the direction of the deformation of the supporting mounts. While the metal passes through the rolls an elongation of the supporting mounts takes place which causes the elongation of the long diagonal and the corresponding shortening of the short one. By the here attached special electrical device these shifts are automatically measured and recorded. The use of such a permanently working device with self-control permits the rational utilization of the machine, since it furnishes the necessary data concerning the exchangeable parts of the machine for a given case of stress. (3 illustrations and 1 table).

ASSOCIATION Siberian Metallurgical Institute im.S.Crdzhonikidze (Sibirskiy metallur-

Card 1/2

32-8-32/61

Automatic Measurement of the Power Input Necessary for Rolling by Means of a
Wire-Wound Resistance Indicator.

gicheskij institut im. S. Ordzhonikidze"

AVAILABLE Library of Congress.

Card 2/2

CHELYSHEV, N. A.; PERMYAKOV, V. M.; KAFTANOV, M. P.; ZAYKOV, M. A.; KAMINSKIY, D. M.; ZAKHARENKO, N. I.; PROKOP'YEV, A. V.

Peculiarities of rolling rimmed steel ingots on a forge blooming mill. Izv. vys. ucheb. zav., chern. met. 5 no.12:74-80 '62.
(MIRA 16:1)

1. Sibirskiy metallurgicheskiy institut.

(Rolling(Metalwork)) (Steel ingots)

ZAYKOV, B.A.

Diurnal dynamics of the pulse rate and maximal suppression of
respiration in different seasons. Nek. vop. klim. i kraev. pat.
no. 3:57-59 '63. (MIRA 18:10)

ZAYKOV, Boris Dmitriyevich, prof., doktor geograf.nauk; CHEBOTAREV,
A.I., otd.red.; SHATILINA, M.K., red.; BRAYTINA, M.I.,
tekhn.red.

[Studies in limnology] Ocherki po okerovedeniiu. Leningrad,
Gidrometeor.izd-vo. Pt.2, 1960. 238 p. (MIRA 13:7)
(Limnology)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

ZAYKOV, B. D.

Gidrologiya Zavolzh'ya (Hydrology of the Transvolga), No IV--Lower Volga Project,
ONTI, 1935.

SO: U-3039, 11 Mar 1953

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

ZAYKOV, B. D.

"Evaporation from the Water Surface of Ponds and Small Reservoirs on the
Territory of the USSR," Trudy of the State Institute of Hydrology, Ed., 21,
1949

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3

ZAYKOV, B. D.

"Average Runoff and Its Annual Distribution Over the Territory of the USSR", Trudy NIU
GUChS SSSR (Transactions of the NIU GUChS USSR), Series IV, No 34, 1946

SO: U-3039, 11 Mar 1953

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964030005-3"

ZAYKOV, B. D.

"Amount of Water Entering the Bay of Kara-Bogaz-Gol from the Caspian Sea," No 2, pp 31-37.
(Meteoologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

ZAYKOV, B.D.

21503

ZAYKOV, B. D.

Bodnyy balans kaspiskogo morya v svyazi s prichinami
ponizheniya ego urovnya. [Tezisy Dokladov]
Trudy Vtorogo Vsesoyuz. geogr. s"yezda. T. P.M., 1948, s. 253 - 54.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949

30770. ZAYKOV, B. D.

Ispareniya s poverkhnosti ozera sevan. Izvestiya (Akad. nauk. Arm. SSR),
Fiz.-matem., estestv. i tekhn. nauki, 1949, No. 2, s. 71-86 --Rezume na arm.
yaz. -- Bibliogr: 7 nazv.

ZAYKOV, B.D., doktor geograficheskikh nauk, professor; SHATILINA, M.K.,
redaktor; BRAYNIKA, M.I., tekhnicheskiy redaktor

[High waters and floods in rivers of the U.S.S.R. during the
historical period] Vysokie polovod'ia i povedki na rekakh SSSR
za istoricheskoe vremia. Leningrad, Gidrometeorologicheskoe
izd-vo, 1954. 133 p. (MLRA 7:10)
(Floods)

ZAYNOV, B. D.

"Articles of V. Ye. Rudakov Published During the Past 3 Years"
Meteorol. i Gidrologiya, No 2, 55-60, 1954

Criticism of the Articles of V. Ye. Rudakov (Doklady AN ArmSSR, 13, No 1, 1951; Doklady AN SSSR, 84, No 1, 1952; Izv. Moldav. Fil. AN SSSR, No 4-5 (7-8), 1952; RZhGeol, No 2, 203, 1954) in which attempts were made to demonstrate the existence of a connection between river runoff and annual thickness of tree rings. It is noted that the connection between the fluctuations of river runoff and thickness of annual tree rings has not been demonstrated and that a profound study of the factors influencing the growth of annual tree rings must precede the establishment of such a connection. (RZhGeol, No 1, 1955)

SO: Sum. 492, 12 May 55

ZAYKOV, Boris Dmitriyevich, professor, doktor geograficheskikh nauk;
MANOIM, L.Y., redaktor; SOLOVEYCHIK, A.A., tekhnicheskiy reduk-
tor

[Essays in limnology] Ocherki po ozerovedeniu, Leningrad,
Gidrometeorologicheskoe izd-vo, 1955. 270 p. (MLRA 9:4)
(Lakes)

VORONKOV, Pavel Pavlovich, kandidat geograficheskikh nauk; ZAYKOV, B.D.
redaktor, doktor geograficheskikh nauk, professor; SHATILINA,
M.K., redaktor; SOLOVETCHIK, A.A., tekhnicheskiy redaktor

[Formation of the chemical constitution of surface water of steppe
and wooded steppe zones of the European territories of the U.S.S.R.
Formirovaniye khimicheskogo sostava poverkhnostnykh vod steppoi
i lesostepnoi zon Evropeiskoi teritorii SSSR. Pod Red. B.D.Zaikova.
Leningrad, Gidrometeorologicheskoe izd-v, 1955. 350 p. (MLRA 8:10)
(Water--Analysis) (Steppes)

LOIDIS, A.P.[deceased]; PREOBRAZHENKIY, Yu.V., kand.-geogr. nauk;
KORZUN, V.I., red.; KEDROLIVANSKIY, V.N., prof., red.; ZAYKOV,
B.D., doktor geogr. nauk, red.; GRIBAKOV, M.N., kand. geogr.
nauk, red.; SELEZNEVA, Ye.S., kand. fiziko-matem. nauk, red.;
UKHANOV, V.V., kand. tekhn. nauk, red.; KUZHMIN, L.D., red.;
KOZITSKIY, N.I., red.; KONONOVA, L.B., tekhn. red.

[Instructions for hydrometeorological stations and posts] Nastav-
lenie gidrometeorologicheskim stantsiam i postam. Leningrad,
Gidrometeor.izd-vo. No.2. [Hydrometeorological observations at posts]
Gidrometeorologicheskie nabliudenija na postakh [Maritime hydro-
meteorological observations] Worksie gidrometeorologicheskie nabli-
denija. 1948. 114 p. (MIRA 15:3)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorolo-
gicheskoy sluzhby. (Meteorology, Maritime)

ZAIKOV, B.D.; ONUFRIYENKO, L.G.; SOKOLOV, A.A.; KHMALADZE, G.N.

"General hydrology, continental waters" by A.I.Chebotarev.
Reviewed by B.D.Zairov and others. Meteor.i gidrol. no.7:50-52
Jl '61. (MIRA 14:6)

(Hydrology) (Chebotarev, A.I.)